

19980314.ba v01_n967.bam.980314

>From ???@??? Sat Mar 14 17:34:01 1998
Message-Id: <199803141644.KAA26360@sco.theporch.com>
Date: Sat, 14 Mar 1998 10:44:14 CST
Subject: BOATANCHORS digest 1967

BOATANCHORS Digest 1967

Topics covered in this issue include:

- 1) Re: Headphone impedance
by jackiv@juno.com (John M Iverson)
- 2) Headphone info
by "Roberta J. Barmore" <rbarmore@indy.net>
- 3) Re: Headphone impedance
by "Roberta J. Barmore" <rbarmore@indy.net>
- 4) Re: Meissner Analyst-- What Era?
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 5) Manuals HRO-5TAI and HRO-50-1
by "sierra.victor" <sierra.victor@swipnet.se>
- 6) xfmr caution & headphones
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 7) Inserting elements in chamois cushions
by Ray Mote <rmote@rain.org>
- 8) Irving Langmuir
by don merz <71333.144@compuserve.com>
- 9) RACAL RA-17L arrived :-)!
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 10) RBM-4 Schematic needed
by Dexter Francis <cwest@xmission.com>
- 11) Baltimore BA Haunts
by laffitte@prtc.net (laffitte)
- 12) Larry's wish list, Spring 1998 edition
by "Lawrence R. Ware" <lrware@pipeline.com>
- 13) OS-8E/U O'scope Questions
by Brian Bjerkelund <brianbj@compuserve.com>
- 14) Re: Headphone impedance
by Jim Waits <jimwaits@emcst.com>
- 15) Need Parts of R-391
by NBroline <NBroline@aol.com>
- 16) WTD: Low-Voltage Choke - Johnson Valiant
by "John Lockhart" <jlockj@minn.net>
- 17) Re: OS-8E/U O'scope Questions
by Dan Arney <kn6di@groupone.net>
- 18) [Fwd: Ameco Transmitter #TX-62 (info?)]
by eaj <eaj@hiwaay.net>
- 19) Re: Meissner Analyst-- What Era?

by Edward Zeranski <ejz@nosc.mil>
20) RACAL mystery solved. Please, read!
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
21) Rip Off Warning
by gpewitt@execpc.com
22) OS8/U info
by "Paul Bernhard Sr." <w2tu@email.msn.com>
23) WTB HRO-60
by Sandy Gerli <angerli@connix.com>

Date: Fri, 13 Mar 1998 08:38:35 CST
From: jackiv@juno.com (John M Iverson)
To: gpewitt@execpc.com
Cc: boatanchors@theporch.com
Subject: Re: Headphone impedance
Message-ID: <19980313.083937.10374.3.jackiv@juno.com>

Gary. as to the NC-240D. the 10k output is correct, however this is the plate impedance for the output tubes and must be center tapped for the dc. the speaker carries the push-pull output transformer. 73 jack
Jack Iverson K0EWU jackiv@juno.com

On Fri, 13 Mar 1998 07:36:41 -0600 (CST) Gary Pewitt <gpewitt@execpc.com> writes:

>On Thu, 12 Mar 1998, William B. Ross wrote:

>

>snip

> That is why

>> all your older receivers had 600 ohm outputs, and a bonus 8 ohm
>output

>> for the lower impedance speaker cone.

>>

>> Bill Ross K5LLK

>I have to disagree.

>My old Hallicrafters have 5000 ohm and 500 ohm outputs and my

>National NC2-40D has a 10000 ohm output. 600 came later and 8 ohms

>later still.

>Halli SX-25 and SX-28A> Time period before and after WWII.

>

>gpewitt@execpc.com N9ZSV 414 355 8147

>Gary Pewitt 6120 W. Calumet Rd. Apt 204

>Milwaukee, WI 53223. Boatanchor buff

>

>

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Date: Fri, 13 Mar 1998 09:53:39 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: BA <boatanchors@sco.ThePorch.com>
Subject: Headphone info
Message-ID: <Pine.SUN.3.96.980313093704.23484D-100000@indy3>

Hi!

Several folks wrote, inquiring after the MRL Handbook on headphones.
It is MRL's HB-1, "Headphones: Operation and Repair." 24 pp, 8.5"x5.5"
and written in the usual very direct Elmer G. Osterhoudt style; you can
almost hear the OM passing along the info as he work1s in his shop.

Cost, I belive it's up to \$1.75 now, plus postage for 2 oz. Write to:
Modern Radio Labs

P.O. Box 14902

Minneapolis, MN 55414-0902

(My advice would be to send an order & money--it's a one-man shop,
though EO is gone now, and catalog requests take considerable time to be
answered. Present owner is utterly honest and sends change back in cash.
The entire writings of EO can be purchased for \$48.65 ppd in the US, per
the information here. Current printings are on acid-free paper. EO is
not the best draftsman in the world, nor even the smoothest tech writer;
but he's got the straight scoop on basic theory, small receiving sets, and
the hardware that goes with 'em). (Many of the MRL HBs reached final form
when EO was already quite old--how steady a line will *we* be drawing at
75, I wonder? I'm grateful he took the time to write so much down).

Usual disclaimers apply--I'm not getting paid and in fact, it
was with some reluctance MRL agreed to being mention on The Internet--a
one-man outfit is *easily* swamped. EO used to dread being listed as a
source in xtal-set articles in the hobbyist press!

73,

--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Date: Fri, 13 Mar 1998 10:07:39 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Gary Pewitt <gpewitt@execpc.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Headphone impedance
Message-ID: <Pine.SUN.3.96.980313095422.23484E-100000@indy3>

Hi!

Another quick trip by headphone Z: mostly, 'phones are listed by *DC resistance.* The classic 2K jobs are about an 8K load at AF. (Rule of thumb for 'em is 4-5X DC R).

The *main* outputs of most comms receivers--5K, 500R, 600R and the 4/8/16R of later years--are *not* for headphones. Trace out an HRO or SX-28, and you will find the 'phone jack is in the *grid* ckt of the AF amplifier. You can overdrive magnetic (etc.) phones easily, not to mention your ears; they *do* *not* get drove by a husky '42 or a couple of fat, happy 6V6s! (But see below).

Nope, the main output went to a speaker; 5K-ish works well with the classic OT speaker that carries a plate-to-VC transformer on its back as Silver carries the Lone Ranger (Heigh-ho! Awaaaaaay!); 500/600R (count 'em as the same, they're close enough for nearly every purpose) is a standard line Z, and line-to-VC iron was and is commonly found (also useful if you want to drive a speaker on the next floor or in Cleveland, etc.). 4/8/16, self-explanatory, though here's a handy tip: you can put hi-Z cans in *series* with such a speaker (use a shorting jack), and everything works out well; the impedance mismatch typically loses enough power transfer that neither the cans nor your ears will commence to smoke...and the series resistance of the 'phones makes the speaker volume drop to inaudability.

73,
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Date: Fri, 13 Mar 1998 12:05:27 -0500
From: Richard Post <post@ouvaxa.cats.ohiou.edu>
To: boatanchors@theporch.com
Cc: arc5@ix.netcom.com
Subject: Re: Meissner Analyst-- What Era?

Message-ID: <v03007800b12ef6b8cff5@[132.235.47.16]>

>I recently acquired a very beautiful Meissner Signal Analyst
>model #9-1040. Two-tone green face, gray wrinkle case,
>bright red bakelite knobs. Twelve tubes including four 6E5 magic eyes.

>Does anyone know the year of manufacture of this item?

>Is it rare?

>It sure is pretty-- I gotta find room on my bench somehow!

>

>TNX ES 73 DE Dave Stinson AB5S

Dave AB5S,

I made room for mine. Enough knobs and functions to go right to the heart of a boatanchor fan. I love the "Christmas" look of this thing. Bright red knobs with four green eyes blinking back. The earliest ads are late 1939 and 1940. It was also sold after the war.

These units make decent TRF receivers all by themselves. Take a phone to phone patchcord and connect the "RF-IF channel" output to the audio amp input. Hook the audio amp output to an outboard 5000 ohm or so output transformer connected to a speaker. The input to the RF-IF channel can be a piece of wire for an antenna. Voila, TRF receiver.

I replaced the capacitor to the audio output phone jack with a non-leaky one. Check the DC voltage on that jack first if you have not yet replaced that cap! The cap comes off the plate of the audio output.

I also found several drifted resistors which I replaced to cure the ills of the primitive VTVM.

These are not as common as the RCA Rider Chanalyst. A complete description and set of instructions for use are found in issues of the Meissner circuit books of the era. I believe Lindsay has a reprint of one of those schematic books. The manual is also very thorough.

73, Rich KB8TAD "tube active devices"

=====
mailto:postr@ohiou.edu

Boatanchpor Pix website - KB8TAD
<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html>

visit the Museum of Radio and Technology website
<http://ouvaxa.cats.ohiou.edu/~post/MRT/>

=====

Date: Fri, 13 Mar 1998 19:03:56 +0100
From: "sierra.victor" <sierra.victor@swipnet.se>
To: <Boatanchors@theporch.com>
Subject: Manuals HRO-5TAI and HRO-50-1
Message-ID: <01bd4eaa\$63f74c00\$126ff482@sekrasw104>

Det h r  r ett multipart-meddelande i MIME-format.

-----=_NextPart_000_000D_01BD4EB2.C5BBB400
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all BA:s

I have got a new restoration project. Just picked up a HRO-5TAI from nearby.
It has all the band coils in nice wood boxes and also the original
NC-speaker.

However the seller had only manual for HRO-50-1 so now I had to get the
right manual. If anyone could give me copies of the HRO-5TAI I would be very
glad

and I will sure pay for post shipping.

And if anyone needs copies of the HRO-50-1 I will gladly ship for post
charges.

Please send info direct to me.

73 de
Sven, SM3SV

-----=_NextPart_000_000D_01BD4EB2.C5BBB400
Content-Type: text/html;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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http-equiv=3DContent-Type>
<META content=3D'"MSHTML 4.71.1712.3"' name=3DGENERATOR>

```

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<DIV><FONT color=#000000 face=Arial size=2>Hi all =
BA:s</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2></FONT>&nbsp;</DIV>
<DIV><FONT color=#000000 face=Arial size=2>I have got a new =
restoration project.=20
Just picked up a HRO-5TAI from nearby.</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>It has all the band =
coils in nice=20
wood boxes and also the original NC-speaker.</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>However the seller had =
only manual=20
for HRO-50-1 so now I had to get the</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>right manual. If anyone =
could give me=20
copies of the HRO-5TAI I would be very glad</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>and I will sure pay for =
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shipping.</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>And if anyone needs =
copies of the=20
HRO-50-1 I will gladly ship for post charges.</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>Please send info direct =
to=20
me.</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2></FONT>&nbsp;</DIV>
<DIV><FONT color=#000000 face=Arial size=2>73 de</FONT></DIV>
<DIV><FONT color=#000000 face=Arial size=2>Sven,=20
SM3SV</FONT></DIV></BODY></HTML>

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-----=_NextPart_000_000D_01BD4EB2.C5BBB400--

Date: Fri, 13 Mar 1998 14:22:16 -0800
 From: Brian.Harris@sv.sc.philips.com (Brian Harris)
 To: boatanchors@theporch.com
 Subject: xfmr caution & headphones
 Message-ID: <00040B8E.1914@svlima.sv.sc.philips.com>

Good idea but be careful,

>.....though here's a handy tip: you can put hi-Z cans in *series* with such
 >a speaker (use a shorting jack), and everything works out well; the impedance
 >mismatch typically loses enough power transfer that neither the cans nor your
 >ears will commence to smoke...and the series resistance of the 'phones makes

>the speaker volume drop to inaudability.

Putting a Hi-Z load (headphones seriesed with speaker) across a transformer that expects a Low-Z load can cause havoc with the transformer. At high volume settings (perhaps not likely in a headphone environment, but one never knows) a poorly designed Class A stage can go into cutoff and become a nice replica of a Kettering ignition, as the transformer current ceases and the voltage across it soars.

If you're like me, you have done the following more than one time; 1) forgot to connect the speaker, 2) wondered why you didn't hear anything, 3) cranked the volume control to max, 4) heard the output transformer sing to you.

'Tis safer to switch the speaker out and an appropriate load resistor in, while putting the phones in parallel.

Brian

Date: Fri, 13 Mar 1998 13:16:52 -0800 (PST)
From: Ray Mote <rmote@rain.org>
To: Boatanchors <boatanchors@sco.theporch.com>
Subject: Inserting elements in chamois cushions
Message-ID: <Pine.SUN.3.96.980313130836.9005A-100000@coyote.rain.org>

When working with the old HS-33 (low-z) headsets, it's sometimes necessary to install new elements in old cushions or old elements in new cushions. There are two types of cushions: the Signal Corps M-301 and the Navy NAF-48490 ("NAF" stands for Naval Aircraft Factory, was located in/near Philadelphia during WW2). The Navy cushions have a slot cut in the rubber to provide strain relief for the cordage; the Signal Corps cushions lack this convenient feature. This can be a difficult task, if you're really determined to make it so. :)

First, lubricate the slot in the rubber using a little dishwashing detergent on a Q-tip or similar. Place the cushion in the left hand, with chamois side against the palm. Squeeze the front & rear edges together as if you wanted to make the chamois edges meet -- this opens up the slot. Place one side of the element in the corresponding side of the slot and then use a tool to work the rest of the element in as you relax your left hand and allow the element to fully seat. Just be sure the tool edge is not sharp, as you don't want to scar up the rubber. Sounds simple, but if you're a klutz like me, this may require a couple of attempts to get it right. <wry grin>

The above technique was illustrated in an Air Corps manual on mikes and headsets (which I no longer have). Good luck!

Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

Date: Fri, 13 Mar 1998 18:02:44 -0500
From: don merz <71333.144@compuserve.com>
To: boatanchors@theporch.com
Subject: Irving Langmuir
Message-ID: <199803131805_MC2-36B2-3369@compuserve.com>

Hi. I hadn't seen it mentioned here so I thought I'd point out that the Winter, 1998 (current?) issue of the American Heritage of Invention and Technology has a very fine article on Irving Langmuir. If you recognize the name then you will want to read this article. If you don't recognize the name then you should look up Langmuir. His accomplishments contributed a lot to our favorite hobby.

73, Don

Date: Sat, 14 Mar 1998 00:33:18 +0100
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
To: "Boatanchors List" <boatanchors@sco.theporch.com>
Subject: RACAL RA-17L arrived :-)!
Message-ID: <3.0.1.32.19980314003318.006e1a44@pop.ctv.es>

Hi gang,

Well, the long awaited moment just arrived!. The Racal RA-17L I bought last week arrived on 12th March.

I have done some interesting findings about this unit:

-This model is a North American unit, as it has the calibrated S-meter, SO-239 connectors, different labels in front panel ('POWER' instead of 'MAINS', 'ANTENNA' instead of 'AERIAL', ...), american tubes, ... This is very interesting, as I got the set from UK. It sure will save some time trying to find the correct connectors :-)!.

-As the seller told me, it has NO tubes. Well, really it has ONE tube (a 6BE6) and ALL except two of the tube shields, including some IERC types.

-The manual I got is for the RA-17 Mk II, not the 'L' version I have, so the information is not 100% useful, although the working principles should be the same... Is there any RA-17L manual around?. I could swap it for a copy of the RA-17 Mk II or just pay for it. Please, let me know.

-From the Terry O'Laughlin WB9GVB Racal model list (available in the BA archives), I have got this info about American models:

RA-17 C-12	As RA-17 but w/ American tubes except RF (ECC-189)
RA-17 C-16	As above w/ all American tubes (6ES8 RF), beefier audio output (12AT7 & 6005 in place of two 6AU6s), SO-239 conns for IF & ant

My unit has a 9 pin socket for V23 and a 7 pin socket for V22. In the RA-17 Mk II these tubes are the audio output tubes... Could I be so lucky to have a C-16 model?.

About this model, it has 25 tubes (the power supply is solid state; a mod done in the factory, I think). The RA-17 Mk II has 23 tubes... Could you tell me the tube line-up of the RA-17L?.

I'm looking for some tubes I have not in my stock, in order to put in the receiver and have some spares for it:

Type	Qty.
6688 / E180F	6
6AS6	3
6AU6	10
6BA6	10
6005	2

Also, if the RA-17L uses tubes not used in the RA-17 Mk II, I would probably need them.

The Racal is really an impressive receiver, with a depth of about 21" and that wonderful aluminum die cast chassis. Very nice!. This unit is in good condition, only missing the tubes and the 'big' covers (the small ones are also here :-). So I hope to be able to restore and enjoy it... I'll keep you informed on the process.

Best regards.

JOSE

73 EB5AGV / EC5AAU
JOSE V. GAVILA
Ausias March 46, 15
46910 Benetusser - VALENCIA
SPAIN

<http://www.geocities.com/SiliconValley/6992/>
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

Date: Fri, 13 Mar 1998 16:57:20 -0700
From: Dexter Francis <cwest@xmission.com>
To: boatanchors@theporch.com
Subject: RBM-4 Schematic needed
Message-ID: <3509C7DC.3F40@xmission.com>

Greetings all -

I'm working on a CAY-46077 receiver and need to figure out why R-521 is roasting hot. Any one have a schematic for one of these little fellows, and/or any suggestions? (I'm suspecting a shorted cap somewhere...)

-df

Need to Buy or Sell Tubes, Parts or BA Gear?
Visit our Web site at <http://www.xmission.com/~cwest/>
e-mail to: tubes@usa.net -or- cwest@xmission.com
P.O. Box 22443, Salt Lake City, Utah 84122

Date: Fri, 13 Mar 1998 19:59:36 -0400
From: laffitte@prtc.net (laffitte)
To: boatanchors@theporch.com
Subject: Baltimore BA Haunts
Message-ID: <3509C863.C57897C9@prtc.net>

Hi Gang!

I will be in the Baltimore area for about 3 days and would like to know about any BA haunts there. In the meantime I'm in a weightlifting program to prepare myself to tackle the RCA RBC. Yes, another one of those "mica like" paper caps gave out apparently somewhere in the AVC circuit so please excuse me: UP! PUFF,PUFF!!

Best 73s,
Guido KP4FAR
BA collector in the tropics

Date: Fri, 13 Mar 1998 20:38:16 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: boatanchors@sco.theporch.com, baswaplist@foothill.net, national@qth.net,
vss@mlist.access.digex.net
Subject: Larry's wish list, Spring 1998 edition
Message-ID: <3.0.5.32.19980313203816.00844cb0@pop.pipeline.com>

Good evening folks, this is my: "posted 4-5 times a year" unfilled wish list. Willing to pay cash, trade if I have something you might want, or work out some kind of agreement. :-)

Items I'm always on the lookout for include:

National NC-100 variants, including RAO's, RCP's etc.
Parts for/from any National "coil catacomb" radios.
Dial drive for the National NC-80X/81X, will take whole parts radio.
(If you have a pretty good one, maybe the one I'm trying to restore could become the parts rig...)

Other items on my current "wish list:"

Any HRO-60 coil set except, A,B,C,D,E,AC.
Correct HRO-60 speaker (talk about wishing.... :-)
Will trade my "AC" set + some cash for a good "F" set.

Broken Tek 7000 series test equipment for parts.
Tek 7000 test fixtures, including extenders.
Tek TM-500 series scope cal package.
John Fluke 6011A sig gen.
Large display dud transmitter tubes.
HP, Fluke and Tek manuals excess to your needs.

Currently available trade items include:
Repaired and cal'd HP400D's HP200CD's, Tek 7704 scopes, misc.
sand state test equipment (Ask, you never know, I might have one!)

-Larry

Larry Ware
Admirer, Collector, Restorer of National Radio Company

receivers and other artifacts.
Orlando, Florida
lrware@pipeline.com

Date: Fri, 13 Mar 1998 22:09:24 -0500
From: Brian Bjerkelund <brianbj@compuserve.com>
To: BOATANCHORS <boatanchors@theporch.com>
Subject: OS-8E/U O'scope Questions
Message-ID: <199803132210_MC2-36AB-DA97@compuserve.com>

Hi Gang:

Today I picked up the above 'scope in nice physical shape. It has a visible trace, but with no definition, just a big, fat blurry trace and focus has minimal effect. Deflection plates seem to be working, however.=

At any rate, I understand there are several different models of the OS-8,= including a solid state model, which mine is not.

I'm looking for a manual source for this little cutie and would appreciate any troubleshooting "knudges" you scope folks out there could give me in the meantime.

Thanks and 73,

Brian, K7AIS

Date: Fri, 13 Mar 1998 21:47:14 -0600
From: Jim Waits <jimwaits@emcst.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Headphone impedance
Message-ID: <3509FDC2.98502843@emcst.com>

Hello the Group,

Looks like about a dozen of you interested in these headphones. Please give me a few days. My wife just had open heart surgery Tuesday and I am running back and forth to Pensacola (90miles) every day, getting in late and leaving early. I don't have time right now to dig 'em out but I am sure I can find them. Don't know what to ask for them but after I see how they have faired over the years, I will come up with something.

Thanks, Jim P.S. /The wife is better now and out of ICU.

```
> Hello, You are right as I recollect the Trimm Commercials were 2K.  
> I haven't seen them in a few years but I think I have at least two  
> pair of Trimm Commercials brand new in original plain white boxes  
> with the tinsel cords and phone tips on them.  
> Anyone interested? If so I can dig them out and check up on them.  
> Jim Waits  
> >>>>>>>>>>>>>>>>>
```

A local R390/391 owner/restorer (non-list member) is looking for a replacement IF amp deck for a Collins R391 that was badly damaged by animal urine (corroded pins clean off a connector and ate holes in chassis--pretty mean stuff!) The IF deck will be same as for a '390, or so it appears. If you have any means of helping him, contact Dave directly at mfaria@mail.utexas.edu. He has some 390A stuff to trade.

73,
Nick W5FUA

Anyone have a spare L44 low-voltage choke for a Johnson Valiant I could purchase? The Valiant I picked up has a power resistor where the choke should be! The low-voltage choke for the Viking I or II might also work.

Thanks,

John W0DC
jlockj@minn.net

Date: Fri, 13 Mar 1998 21:14:09 -0800
From: Dan Arney <kn6di@groupone.net>
To: brianbj@compuserve.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: OS-8E/U O'scope Questions
Message-ID: <350A1220.6B7ED6A@groupone.net>

DITTO From Hank KN6DI I have one odf the little cuteys and need info laso.
Thanks,
Hank KN6DI

Brian Bjerkelund wrote:

> Hi Gang:
>
> Today I picked up the above 'scope in nice physical shape. It has a
> visible trace, but with no definition, just a big, fat blurry trace and
> focus has minimal effect. Deflection plates seem to be working, however.
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> At any rate, I understand there are several different models of the OS-8,
> including a solid state model, which mine is not.
>
> I'm looking for a manual source for this little cutie and would appreciate
> any troubleshooting "knudges" you scope folks out there could give me in
> the meantime.
>
> Thanks and 73,
>
> Brian, K7AIS

Date: Fri, 13 Mar 1998 23:43:24 -0800
From: eaj <eaj@hiwaay.net>
To: boatanchors@theporch.com
Subject: [Fwd: Ameco Transmitter #TX-62 (info?)]
Message-ID: <350A351C.2BDA@hiwaay.net>

Llww Wwll wrote:

>

> Hello, need information on a recently purchased like new Ameco Equip.
> Corp. 2+6 meter transmitter. Date introduced, watts output, mode/modes
> of operating, original cost, etc.. Thanks Bill.

from eaj@hiwaay.net (N4TGC Eric)

Introduced circa 1964, along with the companion VF0-621, which was a solid-state 24-26 Mc output box 2/5 the width of the Tx, with its own s-s p/s, and covered 6,2, and 1.25 meters, for \$59.95. The Tx is 11.5x9.5x6, uses 8mc xtals, rated 75 watts AM phone and CW. Has built-in AC p/s, PTT jack, meter for final cathode, grid, RF out. Listed as wired and tested for \$149.95 - making it direct competition for WRL/Globe's VHF-62, which was intro'd in '58 for the same price, wired (\$20 less for the kit). I suspect the WRL was a slightly better set, tho. I have a dud one (any offers?!), and it appears well-made, and the Ham Buyer's Guide spex sound better.

Looking through 50's copies of CQ mag reveals that much of the 10, 6, and 2 meter equipment of the era was hideously expensive - in asking around, a typical wage of the era (in the South, at least) appears to have been about \$40/week - not in the league for buying a Halli SR-34 or Gonset G-28, both intro'd in Jun '58, and listed for \$500 and \$300, resp. It's no wonder the rigs are now rare - few could afford them, when new! It also explains why receiving converters (Intern'nal Xtal, Ameco, Tecraft) are NOT rare - they were VERY cheap, comparatively.

Unfortunately? they're so cheap now, one tends to collect too many of them, without really meaning to . . . !

de N4TGC Eric

Date: Fri, 13 Mar 1998 23:18:37 -0800
From: Edward Zeranski <ejz@nosc.mil>
To: jackiv@juno.com
Cc: boatanchors@theporch.com
Subject: Re: Meissner Analyst-- What Era?
Message-ID: <3.0.1.32.19980313231837.006fa7f4@marlin.nosc.mil>

At 04:47 AM 3/13/98 CST, you wrote:

>The Meissner unit was in the late 30/early 40s. at the time there was a
>Hickok signal tracer with meters instead of eye tubes then much earlier.....

I have an RCA/Ryder RF-IF Channalyst and its Audio Channalyst mate, with tech pubs and an ad for the RF-IF model from March 1940 "Service" magazine. Would like to talk off line with others with same and similar boxes, also willing to share copies. "Radio analyzers" seem to have been a common piece of test equipment up thru the '50s, latest here is a Sencore sand box unit for same sets. Also have Navy OE-12 analyzer set for RAK/RAL etc and a

Marshall set.

Ed Zeranski This is a private opinion or statement.
home email: ezeran@cris.com

Date: Sat, 14 Mar 1998 10:17:16 +0100
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
To: "Boatanchors List" <boatanchors@sco.theporch.com>
Subject: RACAL mystery solved. Please, read!
Message-ID: <3.0.1.32.19980314101716.006afb70@pop.ctv.es>

Hi gang,

Well, I finally found which is the model I have got. Following Mike VA3MR/G3NKR suggestion, I did the obvious: looked at the back labels ;-)! . I should confess that I didn't this before because I had the receiver just over the back face, in vertical position, as my workbench was full (now I have get a bit more of space to put it horizontal... to find really good news!. I have a RA-117 !!!!. It is described in the Terry O'Laughlin WB9GVB Racal model list as:

RA-117	1-30mHz	0.1/0.3/1.2/3/ 6.5/13kHz	Similar to RA-17 C-16, but Quadruple conversion w/ 1.6kHz IF stage & filter added before 100kHz IF, two versions avail; one w/ British "valves" and one w/ American tubes (including two 6688s), both have American connectors (S0-239...)
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Wow, I think that this has been THE buying of my life ;-) ;-)! .

But now I'm really lost about documents, as only manual I have is for RA-17 Mk II. So, is there anybody able to copy a RA-117 manual for me?. I would gladly pay any expenses in advance.

One good thing about this unit it that it has, as the RA-17L C-16 version, a 'power' (1W) audio output, instead of the 50mW other versions have.

For your information, here is what I found written in the back panel, along with its description, from left to right:

B+ 500mA (fuse)
POWER 2A (fuse)
ANT. (SO-239 connector)
AUDIO OUTPUTS: 10mW, 600 Ohm
 1W, 3 Ohm (this is the nice one!)
 3 mW, 600 Ohm
 3 mW, 600 Ohm (again!)
 3 mW, 600 Ohm (and again!)

AVC
100 Kc OUTPUTS (two of them, SO-239)

In another smaller plate in the back panel, where the id labels are, you can read in one label:

RECEIVER
TYPE No RA-117
Serial No N0229
RACAL Electronics Ltd.

And also read this other label:

AUSTRALIAN PAT. No
BRITISH PAT. No
U.S. PAT. APPLIED FOR <----- hi!. I hope they have it already ;-)!

Then, just below this label, there is another 4 connection strip with a yellow label over it which says:

WARNING
250 VDC

And the strip has this text:

REC. MUT.
H.T. 2

There are also four BNC connectors, labeled:

1 M/C
1.7 M/C
2ND VFO
R.F.

And that's all!. Sorry for being so detailed, but this way you should be shure of the receiver I'm talking about ;-)

I am interested in contacting other RA-117 users, as I should do a complete

alignment of the receiver, once I get all the tubes. Anybody around?.

Thanks and best regards from a lucky boy!

JOSE

73 EB5AGV / EC5AAU
JOSE V. GAVILA
Ausias March 46, 15
46910 Benetusser - VALENCIA
SPAIN

<http://www.geocities.com/SiliconValley/6992/>
e-mail: eb5agv@ctv.es & eb5agv@amsat.org

Date: Sat, 14 Mar 98 07:15:07 PST
From: gpewitt@execpc.com
To: boatanchors@listserv.tempe.gov, boatanchors@theporch.com
Subject: Rip Off Warning
Message-ID: <Chameleon.980314072500.gpewitt@execpc.com>

Beware of doing business with Ronald Lessa Rlessa1123@aol.com.
On January 8th of this year I sent him \$125.00 for a National
NC-173. I got the canceled check back two months ago. He
acknowledged receipt of the check and promised to ship and
provide the tracking number. That's the last I ever heard from him.
He does not answer e-mail and I have been unable to get a telephone
number from long distance information.
His address is:
4 Seaward Lane, S. Dartmouth, MA 02748
After 3 months I can only assume that he is a deadbeat and start
legal proceedings.

Name: Gary Pewitt N9ZSV/KT
6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223
414 355 8147 Home 414 297 4307 Work
E-mail: gpewitt@execpc.com
Date: 03/14/98
Time: 07:15:07

Date: Sat, 14 Mar 1998 10:11:21 -0500
From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: <boatanchors@theporch.com>
Subject: OS8/U info
Message-ID: <031574911150e38UPIMSSMTPUSR04@email.msn.com>

Hi Brian & Dan;

Saw your post and hope I can help. I have the NAVSHIPS manual 91272 for the OS-8/U scope (not the E version unfortunately). If this will help may be able to copy it for you. It is 70+ pages and as all Navy manuals not all is useful. Let me know if this will help. Enjoyed both of your postings on the list. The manual is from the USS The Sullivans Library here but never did find the scope, hi!

Paul Bernhard Sr. W2TU/NNN0GNB

w2tu@msn.com

Date: Sat, 14 Mar 1998 11:39:41 -0500
From: Sandy Gerli <angerli@connix.com>
To: Boatanchors Reflector <boatanchors@theporch.com>
Subject: WTB HRO-60
Message-ID: <350AB2CD.17B8E95@connix.com>

Hi, all,

WTB HRO-60 w/speaker, manual and A-D coils (more coils, maybe??)

73,

--

Sandy Gerli, AC1Y
500 Country Club Road
Avon, CT 06001-2406
(860) 675-5566
E-Mail: angerli@connix.com

Life Member: ARRL, QCWA
Charter Member: Collins Collectors Association

"It is better to remain silent and be thought a fool,
Than to speak up and remove all doubt..." - Mark Twain

End of BOATANCHORS Digest 1967
